

Application No. 09/990,491
Official Amendment dated April 8, 2004
Reply to Office Action of January 8, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (canceled)

2. (currently amended) A grinding tool inserted to a hole provided in a subject to be worked while rotating so as to grind the inner surface of the hole, comprising:

The grinding tool according to claim 1, wherein the tool main body includes a tool main body including an outer surface along an axial direction, a slitted portion including slits in the axial direction at a predetermined interval in a circumferential direction, abrasive grains are adhered to the outer surface of the slitted portion to form a grinding portion, and an expanding member is press-fitted within the grinding portion to expand the grinding portion, thereby adjusting the outer diameter of the grinding portion, wherein at least a portion of the tool main body is formed in a cylindrical shape; and

a working member including a front portion, a rear portion, and a working portion provided in the front portion of the working member to perform working processes before or after grinding of the inner surface in the subject to be worked, and wherein the rear portion is capable of being combined with the tool main body to be able to be attached thereto and removed therefrom;

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wherein a female screw portion is formed in an inner surface of the front end portion of the tool main body, and the working member includes a male screw portion that is capable of being screwed into the female screw portion.

3. (cancelled)

4. (previously presented) The grinding tool according to claim 2, wherein an expanding head is disposed inside the tool main body.

5. (cancelled)

6. (currently amended) The grinding tool according to claim 2, wherein the grinding portion includes an inner surface that includes a tapered surface, ~~and the expanding member is capable of expanding the grinding portion.~~

7. (previously presented) The grinding tool according to claim 2, wherein the working member is selected from the group consisting of a grinding reamer and a rotating brush.

8-10. (cancelled)

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11. (currently amended) A grinding tool inserted to a hole provided in a subject to be worked while rotating so as to grind the inner surface of the hole, comprising:

a tool main body in which abrasive grains are adhered to at least a portion of an outer surface thereof such that said portion comprises a ~~The grinding tool according to claim 5,~~
~~wherein the grinding portion that~~ includes an inner surface that includes a tapered surface, and;

an expanding member is disposed inside the main tool main body; and

a working member comprising a front portion and a rear portion wherein a working portion is provided in the front portion to perform working processes before or after grinding of the inner surface in the subject to be worked, and the rear portion is capable of being attached to the tool main body and removed therefrom;

wherein the working member is selected from the group consisting of a grinding reamer and a rotating brush.

12. (currently amended) The grinding tool according to claim 1 2, wherein the abrasive grains comprise diamond powder.

13. (currently amended) The grinding tool according to claim 2, wherein the slits are parallel to an axial direction of the main tool main body.

14. (currently amended) A grinding tool comprising:
a tool main body including

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a front end portion having a cylindrical shape and a female screw portion formed therein,

an outer surface, and

abrasive grains adhered to the outer surface to form a grinding portion; and

an expanding member press-fitted within the grinding portion and including a male threaded member to expand the grinding portion, and

a working member including

a front portion comprising a working portion, and

a rear portion comprising a male screw portion that is capable of being threaded into and threaded out of the female screw portion of the tool main body front portion.